BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the work of Construction of Individual Low cost houses to Poor SC/ST People in Nagenahalli, Harohalli and J.P.Colony in ward No-02 of Yelahanka Sub Division.

Estimate Cost Rs. 1800000.00

Centre Line : 5.27 + 5.27 + 3.97 + 3.97 + 3.97 + 2.28 = 24.73 Mtrs

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. (P5/2.1)	Cum							
	Lowering Levelling		6	5.75	4.31	0.30	44.61		
							44.61	**106.00**	**4729.00**
	Basic Rate	100.00							
	Area Weightage @ 6%	6.00							
	Total	**106.00**							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5PWD SR 2010-11 (P.5/2.4)	Cum							
	Center Line		6	24.73	0.75	0.95	105.72		
							105.72	127.20	**13448.00**
	Basic Rate	120.00							
	Area Weightage @ 6%	7.20							
	Total	**127.20**							
3	KSRB 2.8: Filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead upto 50m and lift 1.5m Complete as per specifications. (P6/2.15)	Cum							
			6	24.73	0.75	0.10	11.13		
							11.13	1013.36	**11277.00**
	Basic Rate	956.00							
	Area Weightage @ 6%	57.36							
	Total	**1013.36**							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix **1:4:8** using **40mm** and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD SR 2010-11 (P.12/I.4.3)	Cum							
	for foundation		6	24.73	0.75	0.125	13.91		
	Hall		6	3.51	3.34	0.125	8.79		
	Kichen		6	2.06	1.56	0.125	2.41		
	Bathroom		6	1.56	1.56	0.125	1.83		
	for flooring								
	Hall		6	3.29	3.12	0.15	9.24		

	Kichen		6	1.34	1.64	0.15	2.22		
	Bathroom		6	1.34	1.33	0.15	1.60		
							40.00	3431.22	**137249.00**
	Basic Rate	3101.00							
	Add Difference in Cost of Cement 3.40x40.00 =	136.00							
		3237.00							
	Area Weightage @ 6%	194.22							
	Total	**3431.22**							
5	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6** stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2010-11 (P 21/I.5.5)	Cum							
	Center Line		6	24.73	0.60	0.45	40.06		
			6	24.73	0.45	0.45	30.05		
							70.11	2548.24	**178656.00**
	Basic Rate	2348.00							
	Add Difference in Cost of Cement 1.40x40.00 =	56.00							
		2404.00							
	Area Weightage @ 6%	144.24							
	Total	**2548.24**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.21/I.5.9) PWD SR 2010-11	Cum							
	Center Line		6	24.73	0.45	0.45	30.05		
							30.05	3018.88	**90708.00**
	Basic Rate	2792.00							
	Add Difference in Cost of Cement 1.40x40.00 =	56.00							
		2848.00							
	Area Weightage @ 6%	170.88							
	Total	**3018.88**							
7	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with **20mm (M20)** and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for ground floor level for roof slabs, starecase, lintel, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, coping, bed struts, buttersses, string or lacing courses, parapets, coping, bed blocks, plain window cils, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No.KBS 4.1, 4.6 (P.No.12/4.11) PWD SR 2010-11	Cum							
	Coping concrete		6	24.73	0.45	0.10	6.68		
	cill concrete		12	1.20	0.23	0.10	0.33		
							7.01	5150.54	**36097.00**
	Basic Rate	4539.00							
	Add Difference in Cost of Cement 8.00x40.00 =	320.00							

		4859.00							
	Area Weightage @ 6%	291.54							
	Total	**5150.54**							
8	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (P 6/I 2.10) PWD SR 2010-11	Cum							
			Qty Vide Item No. 2				105.72		
							105.72	85.65	**9055.00**
	Basic Rate	80.80							
	Area Weightage @ 6%	4.85							
	Total	**85.65**							
9	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement** and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. **KBS 6.2, Page No. 26/ Item No. 6.6/ PWD SR 2010-11**	Cum							
	Wall		6	24.73	2.80	0.23	95.56		
	Parpet		6	19.10	0.30	0.23	7.91		
							103.46		
	Deduct for Openings								
	D1		6	0.90	2.10	0.23	2.61		
	D2		12	0.75	2.10	0.23	4.35		
	W		12	0.90	1.20	0.23	2.99		
	Ventilator		12	0.90	0.60	0.23	1.49		
	At kithen brick pillers		6	0.90	0.60	0.23	0.75		
							12.17		
							91.29	4100.08	**374307.00**
	Basic Rate	3826.00							
	Add Differnce in Cost of Cement 1.05x40.00 =	42.00							
		3868.00							
	Area Weightage @ 6%	232.08							
	Total	**4100.08**							
10	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with (M20) wirh 20mm and down size graded layers not exceeding 15cms thick vibrated for RCC beams columns of all sizes in foundation plinth and superstucture ground floor level for roof slabs staircase lintels columns including cost of all matetials labour HOM of machinery curing complete as per specifications. Specification No. KBS 4.1, 4.6	Sqm							
	Lintel		6	24.73	0.23	0.20	6.83		
	Roof slab		6	5.75	4.31	0.15	22.30		
							29.13		
	Deductions								
			6	3.74	0.50	0.15	1.68		
							27.45	5150.54	**141365.00**
	Basic Rate	4539.00							
	Add Differnce in Cost of Cement 8.00x40.00 =	320.00							
		4859.00							
	Area Weightage @ 6%	291.54							

	Total	5150.54								
11	KSRB 4.9.2 : Providing T.M.T Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required , tying with binding wire and anchoring to the adjoining memebers wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 PWD SR 2010-11 (P.16/I.4.46)	Qntl								
	for lintel 65 Kg/cmt			5.69	0.65		3.70			
	for Roof slab 80 Kg/cmt			15.49	0.80		12.39			
	Loft or shelves 40kg/cmt			3.50	0.40		1.40			
							17.49	5730.36	**100227.00**	
	Basic Rate	5406.00								
	Area Weightage @ 6%	324.36								
	Total	**5730.36**								
12	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (M20) with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P. 13/4.19 PWD SR - 2010-11).	Sqm								
	Over door opening		6	3.74	0.60		13.46			
	Over Windows		12	1.20	0.60		8.64			
	Over Ventilators		12	1.20	0.60		8.64			
	Loft at Kitchen		6	2.06	0.80		9.89			
							40.63	391.78	**15919.00**	
	Basic Rate	348.00								
	Add Diffrence in cost of cement 0.54x40.00=	21.60								
		369.60								
	Area Weightage @ 6%	22.18								
	Total	**391.78**								
13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 95/ Item No. 15.21 / PWD SR -2010-11**	Sqm								
	Living Hall		6	3.51		3.34	70.34			
	kitchen		6	1.55		1.56	14.51			
	Bath		6	1.56		2.06	19.28			
							104.13	133.77	**13930.00**	
	Basic Rate	121.00								
	Add Diffrence in cost of cement 0.13x40.00=	5.20								
		126.20								
	Area Weightage @ 6%	7.57								
	Total	**133.77**								
14	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 97/ Item No. 15.15 / PWD SR -2010-11 (Out side Wall)**	Sqm								
	Inside walls Hall		12	3.51		3.00	126.36			
			12	3.34		3.00	120.24			
	kitchen		12	2.06		3.00	74.16			

	Bathroom		12	1.55		3.00	55.80		
			12	1.56		3.00	56.16		
	Kitchen atta		6	2.06		1.26	15.82		
							504.70		
	Deductions -ED		6	0.90		2.10	11.34		
	D2		12	0.75		2.10	18.90		
	W		12	1.20		0.90	12.96		
	V		12	0.90		0.60	6.48		
							49.68		
							455.02	165.32	**75222.95**
	Basic Rate	152.00							
	Add Diffrence in cost of cement 0.099x40.00=	3.96							
		155.96							
	Area Weightage @ 6%	9.36							
	Total	**165.32**							
15	Providing Lime rendering for plastering towards and celing including cost of materials labour curing complete as per specifications P.No. 99/ I.No. 15.33) PWD SR 2010-11	Sqm							
	Qty vide item No 13+14		Item No 13+14				**559.15**	16.96	**9483.20**
	Basic Rate	16.00							
	Area Weightage @ 6%	0.96							
	Total	**16.96**							
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding including cost of materials, labour, curing complete as per specifications **Page No. 98/ Item No. 15.17 / PWD SR** 2010-11 (Out side Wall)	Sqm							
	out side walls		6	20.12		3.85	464.77		
	chejja window		12	1.35		1.28	20.74		
	Ventilator		12	1.35		1.28	20.74		
	Over Maind door		6	3.74		1.28	9.57		
							515.82		
	Deductions - ED		6	0.90		2.10	11.34		
	Windows		12	0.90		1.20	12.96		
	Ventilator		12	0.90		0.60	6.48		
							30.78		
							485.04	139.88	**67846.00**
	Basic Rate	128.00							
	Add Differnce in Cost of Cement 0.099 x 40.00 =	3.96							
		131.96							
	Area Weightage @ 6%	7.92							
	Total	**139.88**							
17	KSRB 14.10-1 : Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications (P.89/I 14.15 PWD SR - 2010-11)	Sqm							
	Hall		6	3.51	3.34		70.34		
	Kitchen		6	1.56	2.06		19.28		
	at Doors		12	0.75	0.23		2.07		
	at main Entrance		6	0.90	0.15		0.81		
	skirting		6	19.50	0.10		11.70		

							104.20	756.20	78798.00
	Basic Rate	703.00							
	Add Differnce in Cost of Cement 0.26 x 40.00 =	10.40							
		713.40							
	Area Weightage @ 6%	42.80							
	Total	**756.20**							
18	KSRB 14.10-3 : Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications (P 89/I.14.15 PWD SR - 2010-11)	Sqm							
	Kitchen plot form		6	1.56	0.60		5.62		
							5.62	756.20	**4247.00**
	Basic Rate	703.00							
	Add Differnce in Cost of Cement 0.26 x 40.00 =	10.40							
		713.40							
	Area Weightage @ 6%	42.80							
	Total	**756.20**							
19	Supplying and fixing pressed steel door frames size 125x65mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made our of seasoned Honne wood, styles of 30mm thick with lock rail of 160mm, width, top and side rails of 100mm width and bottom rails of 250mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manugactureing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipement and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4.(P38/7.26)	**Sqm**							
	D		6	0.90		2.10	11.34		
	D1		12	0.75		2.10	18.90		
							30.24	3286.00	**99369.00**
	Basic Rate	3100.00							
	Area Weightage @ 6%	186.00							
	Total	**3286.00**							

20	KSRB 7.7. Providing and fixing in position in cement concrete 1:3:6 steel galzed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28Jg/m duly providing T section 19x19x3mm weighing 0.839Kg/m for glazing of windows not more than 34cms. c to c including providing and fixing 4mm. thick reeded glass to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. (P31/7.7)	Sqm							
	Windows		12	0.90		1.20	12.96		
	Ventilators		12	0.90		0.60	5.40		
							18.36	2832.32	52001.00
	Basic Rate	2672.00							
	Area Weightage @ 6%	160.32							
	Total	2832.32							
21	KSRB 4.5.7 Providing and removing centering suttering, strutting propping etc. and removal form work for flat surface such as suspended roofs, roofs landings balconies and like ckeness upto 200mm including cost of all naterials labour complete as per specifications. Specification No KBS 4.6.2	Sqm							
	Roof		6	3.51		3.34	70.34		
			6	2.06		1.56	19.28		
			6	1.56		1.56	14.60		
	Lintel		12	24.73		0.20	59.35		
	Chejjas		12	1.20		0.60	8.64		
	Ventilator		12	1.20		0.60	8.64		
	Atta		6	2.60		0.60	9.36		
	Over door		6	3.74		0.60	13.45		
							203.68		
	Deductions		6	3.74		0.51	11.44		
							192.24	233.20	44829.00
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
22	KSRB 15-14.1. Providing and applying two coats with oil nound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly broomnd tge surface free from mottar drops and other surface even and sand paper smooth cost of materials labours complete as per specifications PWD SR 2010-11	Sqm							
		Qty vide Item No.15					559.15		
							559.15	51.94	29042.00
	Basic Rate	49.00							
	Area Weightage @ 6%	2.94							
	Total	51.94							

23	KSRB 15-16.1: Providing and finishing external walls in two coats with water proof cement paing of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material free from mortar dops and other foreign matter cost of materials lanpurs complete as per Sepecifications PWD SR 2010-11	Sqm							
		Qty vide Item No.16					485.04		
							485.04	63.60	**30848.00**
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	**63.60**							
24	KSRB 14.14-5: providing Ceramic tiles of size 15 x 15Cms approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. **Page No. 93/ Item No. 14.36 / PWD SR 2010-11**	Sqm							
	Flooring		6	2.00	1.50		18.00		
							18.00	676.92	**12184.00**
	Basic Rate	631.00							
	Add Differnce in Cost of Cement 0.19 x 40.00 =	7.60							
		638.60							
	Area Weightage @ 6%	38.32							
	Total	**676.92**							
25	KSRB 14.17.2 Providing skirting, dado, rises of steps with **Colour glazed tiles 6mm thick** on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications Specification No. KBS 14.17. **Page No. 94/ Item No. 14.41 / PWD SR 2010-11**	Sqm							
	Toilet Walls		12	2.00	0.90		21.60		
			6	1.50	0.90		8.10		
			6	0.75	0.90		4.05		
							33.75	846.09	**28556.00**
	Basic Rate	791.00							
	Add Differnce in Cost of Cement 0.18 x 40.00 =	7.20							
		798.20							
	Area Weightage @ 6%	47.89							
	Total	**846.09**							
26	0185 Providing and fixing rain down water pipe of 90mm outer dia of 2.5 kg/Sqm pressure pipes of HDPE rain water pipes Page No. IX Sl No 245	m							
	All Round Wall		12	3.00			**36.00**	93.28	**3358.00**
	Basic Rate	88.00							
	Area Weightage @ 6%	5.28							
	Total	**93.28**							
	Water Supply								

27	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS **Page No. 67/ Item No. 12.2 PWD SR 2010-11**	Pan							
			6				6.00	3386.70	20320.00
	Basic Rate	3195.00							
	Area Weightage @ 6%	191.70							
	Total	**3386.70**							
28	KSRB 13-10.2: Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00KGf/sq.cm. working pressure 20mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.10 **Page No. 63/ Item No. 13.75/ PWD SR 2010-11**	m							
			6	15.00			90.00	71.97	6478.00
	Basic Rate	67.90							
	Area Weightage @ 6%	4.07							
	Total	**71.97**							
29	KSRB 13-6.2-2 : Providing and fixing in position brass stop cock of approved Quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specifications No. KBS 13.2.2 / 13.3 PWD SR 2010-11 (P.80/I.13.26)	Each							
			24				24	135.68	3256.00
	Basic Rate	128.00							
	Area Weightage @ 6%	7.68							
	Total	**135.68**							
30	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 235/ Item No. 37.59 PWD SR 2010-11**	L							
			6	500.00			3000.00	5.09	15264.00
	Basic Rate	4.80							
	Area Weightage @ 6%	0.29							
	Total	**5.09**							
	Electrification								
31	**Groove Cutting** : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes achesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary KPWD SR 2010-11 (P-2,I-3)	Mtrs							
	32 mm dia 2.5mm thick		6	10.00			60.00	68.00	4080.00

32	Supplying and flush mounting teak wooden box (with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. KPWD SR 2010-11 (P-3, I-6)	Each							
	10"X7"X3" (300X228X76mm)		12				12	68.00	816.00
	6"X6"X3" (300X228X76mm)		12				12	52.00	624.00
33	Supplying and fixing PVC/metal conduit accessories special type Junction Box (I. 5/P. 3) KPWD SR 2010-11	Each							
	32 mm Junction Box		24				24	29.00	696.00
	Deep 32 mm Junction Box		18				18	33.00	594.00
	Fan Box 18 /SWG		6				6	57.00	342.00
34	**Point Wiring using copper wire with switch** Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet KPWD SR 2010-11 (P.3/I.8)	Each							
	Point Wiring using Class A Materials								
	a) Short point upto 3Mtr from tapping point to out let via switch		12				12.00	175.00	2100.00
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		12				12.00	260.00	3120.00
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		6				6.00	368.00	2208.00
35	Supplying and fixing superior quality mocula switch mounting polyorbonate plate with nocessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box KPWD SR 2010-11 (P-7, I-17)	Each							
	1 to 3 Modular		12				12	82.00	984.00
	6 Modular		6				6	175.00	1050.00
36	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18)	Each							
	6Amps one way.		24				24	96.00	2304.00
	6Amps 3way Socket.		18				18	165.00	2970.00
	Stepped Fan Regulator		6				6	520.00	3120.00
37	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box KPWD SR 2010-11 (P.9/I.19)	Each							
	Group A		6				6	630.00	3780.00
38	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13, I 2)	No							
			12				12	60.00	720.00
39	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)	Each							
			6				6	560.00	3360.00

40	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc KPWD SR 2010-11 (P.32/I.2)								
	20"x20"x2.5"		6				6	285.00	1710.00
41	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete KPWD SR 2010-11 (P.30/I.3)								
	32 Amps		6				6	100.00	600.00
42	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia KPWD SR 2010-11 (P.65/I.1)	No							
			6				6	1950.00	11700.00
43	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above (Page No. 56 Item No. 5a) KPWD SR 2010-11 Item No. 65 / Page No. 5 c)	Mtr							
	c) 6 Sqmm		6	8.00			48.00	45.00	2160.00

44	KSRB 11-18-1:1: Providing and fixing sand cast iron soil waste bends 10mm dia with access door insertion of rubber washers 3mm thick bolts and nut, with spun yarn soacked in cernet slurry and cement mortar 1:2 including cost of materials labour testing complete as per specifications (P 92-93/I. 12.50)	Sqm							
			6				6.00		
							6.00	447.32	2683.92
	Basic Rate	422.00							
	Area Weightage @ 6%	25.32							
	Total	447.32							
45	Providing and fixing HDPE Rainwater Pipe (P IX code No. 0163)	m							
		1x4	24	3.20			76.80	140.00	10752.00
46	For BESCOM deposite Charges								25000.00
47	Miscellaneous and Unforeseen Charges								4456.94
	Total								1800000.00
	(Rupees Eighteen Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2010-11, Elrctrical 2010-11
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative approval for Rs. 1800000
Eighteen Lakhs Rupees
- only
is accorded
registered
to conditions enclosed memo.
No: DC/YNK/AA/23/11-12 Dt. 02-07-11

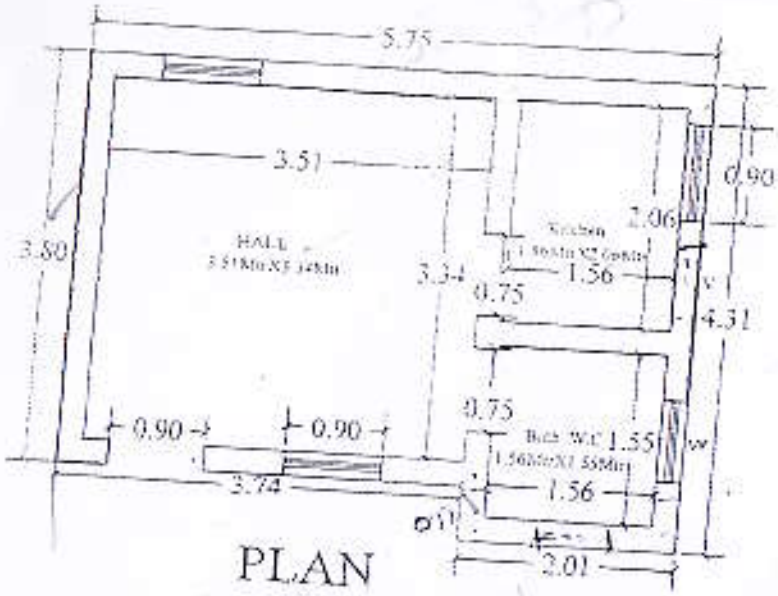
A /JE TA DC (YNK Zone)

18.00 Lakhs
Eighteen Lakhs
- only
P.18%
18% Works

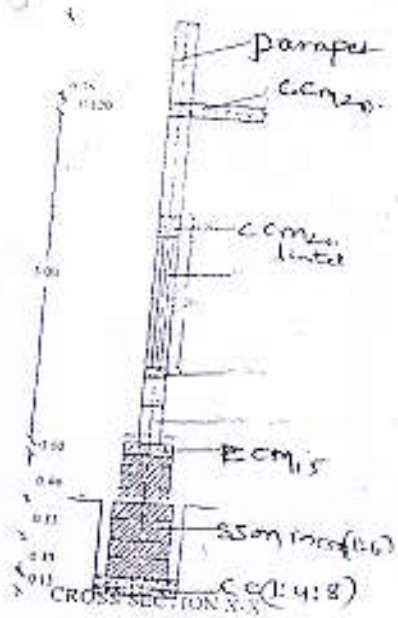
to Conditions
No. SE/YNK/TS/ /11-12

AE/JE SE (YNK) CE (NZ/P)

NAME OF WORK:- CONSTRUCTION OF INDIVIDUAL LOW COST DEHOUSES TO POOR
SC/ST PEOPLE IN NAGENAHALLI, MADHAGALI & J.P. COLONY IN WARD NO. 02 OF
Yellapur



PLAN



Elevation

Ramfault